Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Friday 11 Feb 2022 until 23:59 on Saturday 12 Feb 2022

Forecast Issued on Thursday 10 Feb 2022 at 13:31

Confidence: High for bright and chilly weather and showers on Friday and for becoming wetter and milder into the weekend. Lower confidence for timing of rain over the weekend and amounts of rain Sunday.

Headline for Friday 11 Feb 2022: Rather chilly but bright. Sunny in morning but cloudier in afternoon with a few showers and strengthening winds.

Mountain weather hazards on Friday 11 Feb 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
No Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
Low Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Sunny	Light snow showers	Light snow showers	Light snow	Dull	Light snow
Precipitation probability							
00%	00%	00%	30%	30%	40%	10%	30%

Forecast for Friday 11 Feb 2022

Weather: A mostly clear night and then a sunny start, but chilly with a frost. High cloud gradually increasing from west through the day and shower clouds will bubble up in the morning to bring wintry showers. Cloud increasing and lowering in evening to bring snow, but turning to rain below 500m by midnight.

Chance of cloud-free hill tops above 800m: 100% becoming 60% in the morning, but 10% late evening.

Low cloud and visibility: Mainly good visibility, with scattered occasionally broken cloud above 500-700m, but mostly poor at height in evening with cloud layers down to 500-600m, then 400m in west late evening.

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Met Office Mountain Weather Forecast

Forecast for Friday 11 Feb 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	22/27 N	11/14 N	8/11 SW	15/19 S	22/30 S	25/34 SW	30/41 S	38/52 S	38/54 S
600	13/19 N	6/9 NW	6/9 SW	13/18 S	19/27 S	20/30 SW	25/38 S	31/47 S	32/49 S
300	4/17 N	3/9 NW	2/8 SW	4/13 S	7/19 S	10/24 SW	11/29 S	14/37 S	16/41 S
Valley	8/21 N	2/7 N	2/4 SE	3/10 S	8/18 S	12/24 SW	13/29 S	17/34 S	19/38 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-5/-13	-5/-10	-4/-9	-4/-10	-3/-10	-2/-10	-2/-10	-2/-11	-2/-11
600	-3/-9	-3/-7	-3/-6	-2/-8	-1/-7	0/-6	0/-7	0/-8	0/-7
300	-1/-3	-2/-4	-2/-3	-0/-3	2/-2	3/-1	2/-2	3/-2	3/-3
Valley	2/-2	1/-0	0/-1	2/-0	4/2	6/2	5/2	6/1	6/1
Freezing Level*	100m	00m	00m	100m	400m	500m	600m	600m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A rather cold day and a frosty start with ice in places. Some chill effect on lower slopes despite quite light winds but a significant chill on the tops, severe chill here in evening with stronger winds and snow. Perhaps some sun glare, but this becoming increasingly limited as high cloud spreads eastwards.

Forecast for Saturday 12 Feb 2022

Weather: Cloudy with snow on the tops and rain at lower levels, but gradually turning to rain at all levels through the night. Then a wet and windy day, with periods of heavy rain and areas of hill fog, though this more patchy over eastern fells. Clearing to showers through the evening with cloud breaking a little, with snow falling on the tops,

Maximum wind: Southwest, but turning westerly in evening, mostly 35-45 gust 50, but 50-60 gust 75mph over higher tops.

Chance of cloud-free hill tops above 800m: 10% in west, perhaps 30% in east, 40% in evening.

Low cloud and visibility: Moderate or poor in rain, but sometimes good beneath cloud in east. Very poor in cloud, with extensive layers above 600m, but cloud down to 400m quite widely over western slopes and occasionally broken above 800m in east.

Temperature: **Valleys:** Plus 5 C rising to plus 7 C.
At 800m: Zero C in early hours, rising to plus 3 C by morning and plus 5 C by afternoon
Freezing level: Rising above the tops by morning, but falling to 800m later.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Thursday 10 February 2022. Location: Helvellyn summit at 12:51 Full report: A cold and clear morning with strong winds over high ground. The weather deteriorated in the afternoon bringing snow showers which are adding to the light dusting of snow that fell overnight. The freezing level was around 600m today and much of the ground above this height, especially over Helvellyn's summit plateau was well frozen. The snow that fell yesterday was mostly graupel (rounded snow grains that look and behave a bit like polystyrene balls) and didn't add any significant quantities to the old snow that survived the thaw earlier in the week. However, patches of old snow are still present, predominantly above 800m on steep north through east-facing slopes. The exit to Striding edge has a band of steep, hard old snow that needs to be crossed to get to the summit. Similarly, Swirral edge (although generally holding less snow), also has a small patch of snow that needs to be crossed and a slip in either of these locations could have very serious consequences. With snow showers continuing through the afternoon today, anyone heading out tomorrow should anticipate more snow and ice than described here. As such, an ice axe and crampons/microspikes are strongly recommended. The summit windchill temperature down to around -13°C at times today. Warm and waterproof clothing including hats and gloves are all essential. Additional equipment including a map, compass, and headtorch are also essential items for anyone venturing out into the fells. Temperature: minus 2.1 C, Maximum wind speed 47.7 mph, Wind chill: minus 13.7 C, Average wind speed: 39.7mph.

Issued at: 1331 on Thu 10 Feb 2022

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